

ABSTRACT

OPERATIONAL AMPLIFIER ARRANGEMENT

An operational amplifier arrangement is disclosed which  
5 comprises a non-linear amplifier and a linear amplifier, both having a  
pair of input terminals one of which is coupled to an arrangement input  
terminal, and both having an output terminal which is coupled to an  
arrangement output terminal , whereby the output terminal of said non-  
linear amplifier is further coupled to the output terminal of said linear  
10 amplifier via a series impedance, whereby the output terminal of said  
linear amplifier is coupled to the arrangement output terminal via a  
terminating impedance , and whereby the arrangement further includes  
an active back termination arrangement coupled between the  
arrangement output terminal and either one of said pair of input  
15 terminals of said linear amplifier. In a preferred embodiment said  
linear amplifier is operating between a power supply which exceeds the  
supply voltage of the power supply of said non-linear amplifier.  
Differential embodiments of this basic configuration are also described.